# MOUNTING/INSTALLATION OF THE FAN

**Before touching a screw driver thoroughly read these instructions.**

**Warning/Caution:** Before installing fan, turn off power at service panel and check all visible screws and bolts for tightness.

1. Remove the decorative canopy bottom cover from the canopy by turning the cover counter clockwise. (Fig. 5)

2. Remove the hanger bracket from the canopy by removing the 1 of 2 screws from the bottom of the hanger bracket and loosening the other one a half turn from the screw head. Next, turn the canopy counter clockwise to removing the hanger bracket from the canopy. (Fig. 5)

3. Secure the hanger bracket to the ceiling outlet box using screws and washers included with your outlet box. (Fig. 6)

4. Remove hanger ball from down rod assembly by loosening set screws, removing the cross pin and sliding ball off rod. (Fig. 7)

5. Loosen the two set screws from the central shaft/top coupling of the motor assembly. Doing so will allow the down rod to enter the central shaft. (Fig. 8)

6. Carefully feed the fan wires through the down rod and pull them taut. Thread the down rod into the central shaft and tighten well. Re-tighten the set screws against the down rod.

7. Slide the coupling cover (with wide end oriented to floor) down the down rod. Tighten the set screws of the coupling cover so that it is secure in its new position.

8. (Fig. 8) **NOTE: Make sure that coupling cover has at least 1/8" to 1/4" clearance between it and fan motor assembly. If this clearance is not given, the fan will not rotate.**

9. Slide canopy ring (with decorative side oriented to floor) and canopy (with wide end oriented to ceiling) onto down rod. Carefully reinstall hanger ball onto rod. Be sure that cross pin is in correct position, the set screw on hanger ball is tight and that the wires are not twisted.

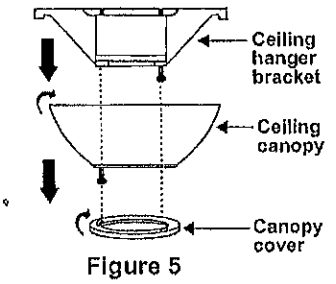

Figure 5

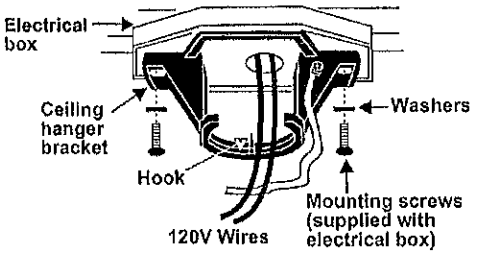

Figure 6

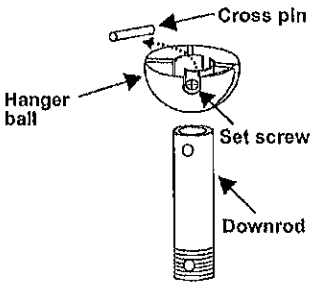

Figure 7

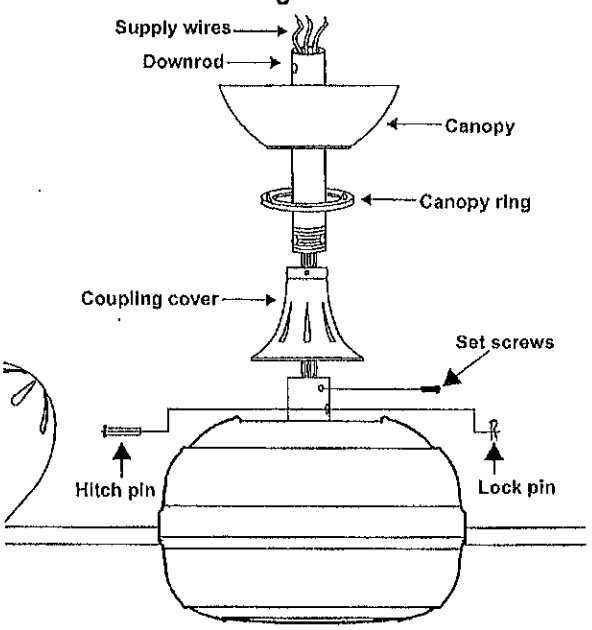

Figure 8

10 **A. Metal Blades and Decorative Cages:** If your fan is one with metal blades and decorative cages, remove protective plastic sleeve from the motor shafts, and then attach the metal blades and cages. Bolts to attach cages are in the hardware pack, 'f'. The Atlas medallion should be oriented correctly. Handle your blades carefully otherwise you will bend the blade irons and cause your fan to vibrate when in use. Caution: The set screw in the blade hub must be counter-sunk into the bore-hole on the flattened side of the motor shaft - or else the blades may disengage from the motor shaft during operation.

10 **B. Metal Blades and Safety Cages:** If your fan is one with metal blades and safety cages, remove protective plastic sleeve from the motor shafts, then and attach the back side of the safety cage. Bolts to attach cages are in the hardware pack, 'f'. Next, attach the blade. Handle your blades carefully otherwise you will bend the blade irons and cause your fan to vibrate when in use. Finally attach the front side of the cage with Atlas medallion oriented correctly. Caution: The set screw in the blade hub must be counter-sunk into the bore-hole on the flattened side of the motor shaft - or else the blades may disengage from the motor shaft during operation.

10 **C. Wooden Blades:** If your fan is one with wooden blades, attach your blades as the last step in the assembly process. Do not attach them now. **Attach them in step No.: 13.** Handle your blades carefully otherwise you will bend the blade irons and cause your fan to vibrate when in use.

11. Now lift the motor assembly into position and place the hanger ball into the hanger bracket. Rotate down rod until the "Check Tab" has dropped into the "Registration Slot" and the down rod and ball assembly seat firmly. The down rod and ball assembly should not rotate if this is done correctly.

12. An additional safety support is provided to prevent the fan from falling. Secure the safety cable to the ceiling joist with screw and washer. (Fig. 9)

13. Remove protective plastic sleeve from the motor shaft and attach your wooden blades. Ignore this step if you have metal blades, as they should already have been installed. Make sure that the set screw in the blade hub is counter-sunk into the bore-hole in the motor shaft - or else the blades may disengage from the motor shaft during operation.

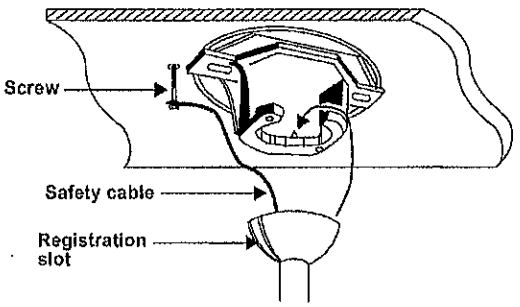

Figure 9

# MAKING THE ELECTRICAL CONNECTIONS

**Warning:** The power should have already been disconnected. Follow the steps below to connect the fan to your household wiring. Use the wire nuts supplied with your fan. Secure the wire nuts with electrical tape. Make sure there are no loose strands or connections.

**NOTE:** The Hand Held Remote Control units included with your ceiling fan are equipped with 16 code combinations to prevent possible interference from or to other remote units. The frequency switches on your Receiver and Transmitter units have been preset at the factory. Please re-check to make sure the switches on both units are set to the same positions. The frequency settings should be changed only in case of interference or if a second or more remote controlled ceiling fans are installed in the same room. Any code combination will operate the ceiling fan and light as long as the Receiver and Transmitter units are set to the same codes (Fig. 10)

1. Insert Receiver into Hanger Bracket with the flat side of the Receiver facing the ceiling. (Fig. 11)

2. Motor to Receiver Electrical Connections: Connect the WHITE wire from the fan to the WHITE wire marked "TO MOTOR N" from the Receiver. Connect the BLACK wire from the fan to the BLACK wire marked "TO MOTOR L" from the Receiver. Proceed to secure all wire connections with the plastic wire nuts provided. Dagny has no light, so the blue receiver "light" wire must be capped off to avoid electrical shock. (Fig. 12)

**Note:** Fan must be installed from a maximum distance of 40 feet from the transmitting unit for proper signal transmission between the transmitting unit and the fan's receiving unit.

3. Receiver to House Supply Wires Electrical Connections: Connect the WHITE wire (Neutral) from the outlet box to the WHITE wire marked "AC in N" from the receiver. Connect the BLACK wire (Hot) from the outlet box to the BLACK wire marked "AC in L" from the receiver. Secure all wire connections with the plastic wire nuts provided. (Fig. 12)

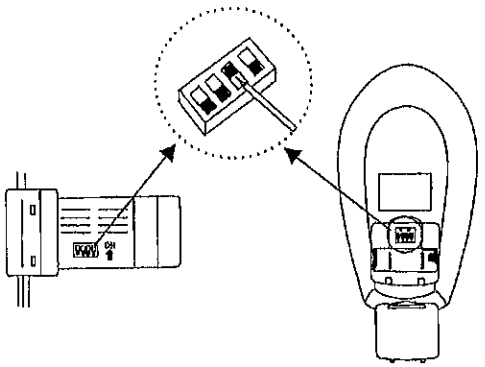

Figure 10

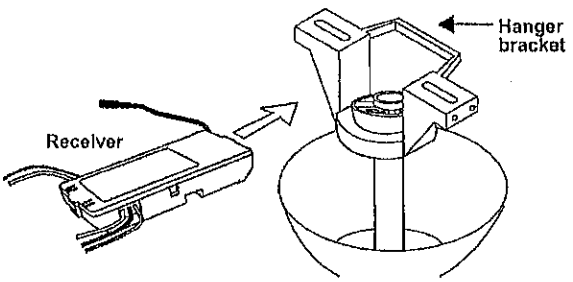


Figure 11

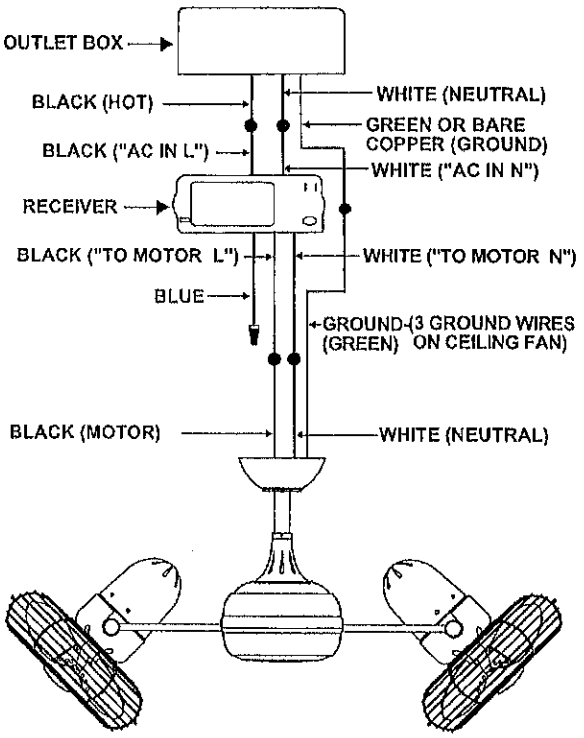


Figure 12

4. If your outlet box has a GROUND wire (Green or Bare Copper) connect this wire to the Hanger Ball and Hanger Bracket Ground wires. If your outlet box does not have a Ground Wire, then connect the Hanger Ball and Hanger Bracket Ground Wires together. Secure wire connection with the plastic wire nut provided. (Fig. 12)

5. Tuck connections neatly into ceiling outlet box.

6. Slide the canopy up to hanger bracket and place the key hole on the canopy over the screw on the hanger bracket, turn canopy until it locks in place at the narrow section of the key holes. (Fig. 13)

7. Align the circular hole on canopy with the remaining hole on the hanger bracket, secure by tightening the two set screws. Note: Adjust the canopy screws as necessary until the canopy and canopy cover are snug.

**Warning:** Make sure tab at bottom of hanger bracket is properly seated in groove of hanger ball before attaching canopy to bracket. Failure to properly seat tab in groove could cause damage to electrical wiring.

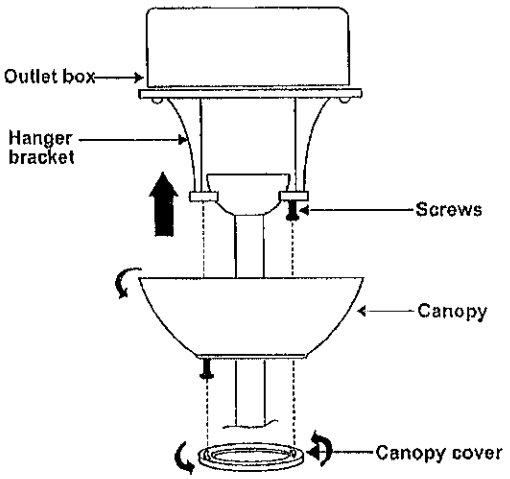


**Figure 13**

# OPERATING THE REMOTE CONTROL

Install 12V MN21/A23 battery (included).

To prevent damage to transmitter, remove the battery if not used for long periods. (Fig. 14)

Restore Power to Ceiling Fan.

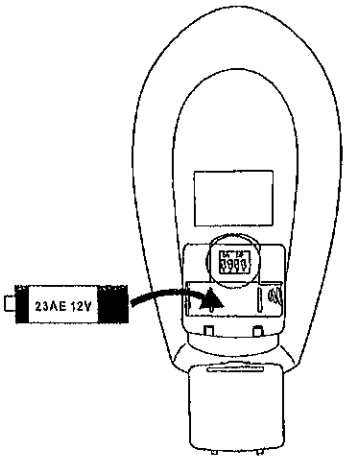


Figure 14

**A. H, M, L Buttons:**
These buttons are used to set the fan speeds as follows;

L: Low Speed
M: Medium Speed
H: High Speed

**B. OFF Button:**
This button turns the fan off.

**C. ACCESSORY Button:**
Additional unused accessory circuit. This unused and accessory circuit can be used to operate another light or fan, other than the Dagny, in your room.

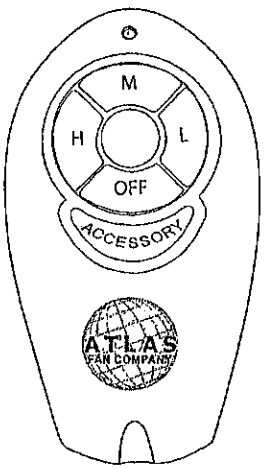


Figure 15

# REGULATION OF ROTATION OF FAN UNIT

1. **Regulate speed of fan.** The rotation of the fan can be sped up or slowed down by increasing or decreasing the power at the remote control, regulating the speed of fan heads and varying the position of the motor heads. See number 2 below

2. **Vary position of motor heads.** The greater the angle (either up or down) of the motor heads to the horizontal support rods, the greater the speed of rotation. The less the angle of the fan head, the less the speed of rotation.